

Sequence Listing

<110> Mark S. Dennis

<120> FVIIa Antagonists

<130> P1639R1

<150> US 60/147,627

<151> 1999-08-06

<150> US 60/150,315

<151> 1999-08-23

<160> 100

<210> 1

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<400> 1

Ser Ala Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Gly Cys Gly  
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Ser Val Gly Leu Val  
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Ser Glu Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Asp Cys Arg  
1 5 10 15

Leu Glu Gly Leu Glu  
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<400> 3

Trp Glu Val Leu Cys Trp Thr Trp Glu Asp Cys Glu Arg  
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Trp Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg  
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Trp Glu Val Val Cys Trp Thr Trp Glu Thr Cys Glu Arg  
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Ser Glu Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Asp Cys Arg  
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Glu Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Asp Cys Arg  
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Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Asp Cys Arg  
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Trp Glu Val Leu Cys Trp Thr Trp Glu Asp Cys Arg  
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Glu Val Leu Cys Trp Thr Trp Glu Asp Cys Arg  
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<400> 11

Val Leu Cys Trp Thr Trp Glu Asp Cys Arg  
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<400> 12.

Cys Trp Thr Trp Glu Asp Cys Arg  
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<400> 13

Cys Trp Thr Trp Glu Asp Cys Glu Arg  
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<400> 14  
Cys Trp Thr Trp Glu Asp Cys Glu  
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<400> 15  
Cys Trp Thr Trp Glu Thr Cys Glu Arg  
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<400> 16.  
Cys Trp Thr Trp Glu Thr Cys Glu  
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<400> 17  
Glu Trp-Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg Gly  
1 5 10 15  
Glu

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<400> 18.  
Glu Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg  
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Gly Glu Gly

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<400> 19  
Glu Glu' Trp Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 20  
Cys Trp Thr Trp Glu Thr Cys Glu Arg Gly Glu Gly Gln  
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<400> 21  
Glu Val Trp Glu Val Leu Cys Thr Asp Trp Glu Ser Cys Glu Trp  
1 5 10 15

Gly

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<400> 22  
Trp Glu Val Leu Cys Met Asp Trp Glu Thr Cys Glu Arg  
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1 5 10 15

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<400> 24.  
Trp Lys Val Leu Cys Ala Thr Trp Ala Thr Cys Gln Arg  
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Trp Glu Val Leu Cys Ala Thr Trp Glu Thr Cys Glu Arg  
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Ala Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
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Glu Ala Trp Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 28  
Glu Glu Ala Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 29  
Glu Glu Trp Ala Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 30  
Glu Glu Trp Glu Ala Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 31  
Glu Glu Trp Glu Val Ala Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 32  
Glu Glu Trp Glu Val Leu Cys Ala Thr Trp Glu Thr Cys Glu Arg

1

5

10

15

Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 33,

Glu Glu Trp Glu Val Leu Cys Trp Ala Trp Glu Thr Cys Glu Arg  
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Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 34,

Glu Glu Trp Glu Val Leu Cys Trp Thr Ala Glu Thr Cys Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
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<210> 35-

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Glu Glu Trp Glu Val Leu Cys Trp Thr Trp Ala Thr Cys Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 36

Glu Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Ala Cys Glu Arg  
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Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 37~  
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1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
20

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<400> 38~  
Glu Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Ala  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
20

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<400> 39~  
Glu Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15

Ala Glu Gly Gly Gly Ser Gly Gly  
20

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Glu Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15

Gly Ala Gly Gly Gly Ser Gly Gly  
20

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1 5 10 15  
Gly Glu Ala Gly Gly Ser Gly Gly  
20

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<400> 42 .  
Glu Glu Trp Glu Ile Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15  
Gly Glu Gly Gly Gly Ser Gly Gly  
20

<210> 43 .  
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<400> 43 .  
Glu Glu Trp Glu Val Ile Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15  
Gly Glu Gly Gly Gly Ser Gly Gly  
20

<210> 44 .  
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<400> 44 .  
Glu Glu Trp Glu Val Met Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15  
Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 45.  
Glu Glu Trp Glu Val Val Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15  
Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 46.  
Glu Glu Trp Glu Val Leu Cys Phe Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15  
Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 47.  
Glu Glu Trp Glu Val Leu Cys Leu Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15  
Gly Glu Gly Gly Gly Ser Gly Gly  
20

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Glu Glu Trp Glu Val Leu Cys Met Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15  
Gly Glu Gly Gly Gly Ser Gly Gly  
20

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<400> 49.

Glu	Glu	Trp	Glu	Val	Leu	Cys	Trp	Thr	Phe	Glu	Thr	Cys	Glu	Arg
1				5				10				15		

Gly Glu Gly Gly Gly Ser Gly Gly

20

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<400> 50

Glu	Glu	Trp	Glu	Val	Leu	Cys	Trp	Thr	Leu	Glu	Thr	Cys	Glu	Arg
1					5				10			15		

Gly Glu Gly Gly Gly Ser Gly Gly

20

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<400> 51

Glu	Glu	Trp	Glu	Val	Leu	Cys	Trp	Thr	Trp	Arg	Thr	Cys	Glu	Arg
1					5				10			15		

Gly Glu Gly Gly Gly Ser Gly Gly

20

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<400> 52

Glu	Glu	Trp	Glu	Val	Leu	Cys	Trp	Thr	Trp	Gln	Thr	Cys	Glu	Arg
1						5			10			15		

Gly Glu Gly Gly Gly Ser Gly Gly

20

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Glu Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Lys  
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Gly Glu Gly Gly Gly Ser Gly Gly  
20

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<400> 54  
Glu Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Leu  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 55  
Glu Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Trp  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
20

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<400> 56  
Glu Glu Trp Glu Val Leu Ala Trp Thr Trp Glu Thr Ala Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 57

Trp Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg Gly Glu  
1 5 10 15

Gly Gly Gly Gly Ser Gly Gly  
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<210> 58

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<400> 58

Glu Glu Phe Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Gly Ser Gly Gly  
20

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<400> 59

Glu Glu Leu Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Gly Ser Gly Gly  
20

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<400> 60

Phe Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg Gly Glu  
1 5 10 15

Gly Gly Gly Gly Ser Gly Gly  
20

<210> 61

<211> 22

<212> PRT

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<400> 61

Phe Glu Val Leu Cys Met Thr Trp Glu Thr Cys Glu Arg Gly Glu  
1 5 10 15

Gly Gly Gly Ser Gly Gly  
20

<210> 62  
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<400> 62  
Glu Glu Tyr Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
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<210> 63  
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<400> 63  
Glu Glu Trp Glu Val Leu Cys Tyr Thr Trp Glu Thr Cys Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
20

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<400> 64  
Glu Glu Trp Glu Val Leu Cys Trp Thr Tyr Glu Thr Cys Glu Arg  
1 5 10 15

Gly Glu Gly Gly Gly Ser Gly Gly  
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<400> 65  
Glu Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Thr Cys Glu Trp  
1 5 10 15

Lys Glu Gly Gly Gly Ser Gly Gly  
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<210> 66

<211> 20

<212> PRT

<213> Artificial sequence

<220>

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<400> 66

Gly Ala Glu Trp Glu Val Leu Cys Trp Glu Trp Glu Gly Cys Glu  
1 5 10 15

Ser Val Trp Pro Gly  
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<210> 67

<211> 20

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic peptide sequence

<400> 67

Gly Ala Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Gln Cys Glu  
1 5 10 15

Phe Gly Ser Leu Val  
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<210> 68

<211> 20

<212> PRT

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<400> 68

Asn Ala Gly Trp Glu Val Leu Cys Trp Thr Trp Glu Asp Cys Gly  
1 5 10 15

Pro Met Asp Pro Ala  
20

<210> 69

<211> 20

<212> PRT

<213> Artificial sequence

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<223> synthetic peptide sequence

<400> 69

Arg Asp Gly Trp Glu Val Val Cys Trp Glu Trp Glu Gly Cys Glu  
1 5 10 15

Arg Ala Val Asp Val

CDS = Cysteine Desulfurase

20

<210> 70  
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<212> PRT

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<400> 70

Ser Gly Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Ala Cys Gly  
1 5 10 15

Trp Glu Ser Gly Glu  
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<210> 71

<211> 20

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<400> 71

Ser Thr Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Gly Cys Gly  
1 5 10 15

Trp Gly Gly Ile Glu  
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<210> 72

<211> 20

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<400> 72

Ser Asp Glu Trp Glu Val Val Cys Trp Thr Trp Glu Ala Cys Glu  
1 5 10 15

Thr Val Gly Leu Gly  
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<210> 73

<211> 20

<212> PRT

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<400> 73

Ser Ala Glu Trp Glu Val Ile Cys Trp Thr Trp Glu Ser Cys Glu  
1 5 10 15

Trp Gly Gly Leu Gly  
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<210> 74  
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<212> PRT  
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<400> 74  
Ser Ala Glu Trp Glu Val Leu Cys Trp Thr Trp Glu Glu Cys Gly  
1 5 10 15

Ser Val Trp Pro Pro  
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<210> 75  
<211> 20  
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<400> 75  
Thr Ala Gly Trp Glu Val Leu Cys Trp Thr Trp Glu Asp Cys Gly  
1 5 10 15

Pro Leu Gly Pro Val  
20

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<400> 76  
Ala Trp Glu Val Leu Cys Trp Ala Trp Glu Asp Cys Glu Arg Gly  
1 5 10 15

Ala Gly Ser

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<400> 77  
Ala Trp Glu Val Val Cys Trp Ser Trp Glu Thr Cys Glu Arg Gly  
1 5 10 15

Glu Thr Pro

<210> 78  
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<212> PRT  
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<400> 78  
Glu Trp Glu Val Val Cys Trp Ala Trp Glu Thr Cys Glu Arg Gly  
1 5 10 15

Glu Arg Gln

<210> 79  
<211> 18  
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<400> 79  
Glu Trp Glu Val Leu Cys Trp Glu Trp Glu Val Cys Glu Arg Asp  
1 5 10 15

Ile Thr Leu

<210> 80  
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<400> 80  
Glu Trp Glu Val Val Cys Trp Thr Trp Glu Ala Cys Glu Leu Gly  
1 5 10 15

Glu Arg Val

<210> 81  
<211> 18  
<212> PRT  
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<400> 81  
Gly Trp Glu Val Val Cys Trp Ser Trp Glu Ser Cys Ala Arg Gly  
1 5 10 15

Asp Leu Glu

<210> 82  
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<400> 82  
Ala Trp Glu Val Val Cys Trp Ser Trp Glu Thr Cys Glu  
1 5 10

<210> 83  
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<212> PRT  
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<400> 83  
Glu Trp Glu Val Val Cys Trp Glu Trp Glu Asn Cys Leu  
1 5 10

<210> 84  
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<400> 84  
Glu Trp Glu Val Leu Cys Trp Gly Trp Glu Thr Cys Ser  
1 5 10

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<400> 85  
Gly Trp Glu Val Leu Cys Trp Thr Trp Glu Glu Cys Ser  
1 5 10

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<400> 86  
Ser Trp Glu Val Leu Cys Trp Gln Trp Glu Glu Cys Glu  
1 5 10

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<400> 87

Thr Trp Glu Val Leu Cys Trp Ser Trp Glu Ser Cys Glu  
1 5 10

<210> 88

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Met Glu Thr Trp Glu Val Leu Cys Trp Glu Trp Glu Glu Cys Val  
1 5 10 15

Arg Gly Gly Glu Pro  
20

<210> 89

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Ala Val Glu Trp Glu Val Ile Cys Trp Ala Trp Glu Thr Cys Glu  
1 5 10 15

Arg Ser Asn Met Gln  
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<210> 90

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Ala Val Gln Trp Glu Val Leu Cys Trp Gln Trp Glu Asn Cys His  
1 5 10 15

Arg Gly Glu Gln Val  
20

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<400> 91

Met Gln Gly Trp Glu Val Val Cys Trp Glu Trp Glu Gly Cys Ala  
1 5 10 15

Arg Gly Asp His Gln  
20

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<400> 92  
Glu Glu Gln Trp Glu Val Val Cys Trp Asp Trp Glu Thr Cys Asp  
1 5 10 15

Trp Pro Gly Lys Asp  
20

<210> 93  
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<400> 93  
Leu Gly Glu Trp Glu Val Met Cys Trp Thr Trp Glu Ser Cys Gly  
1 5 10 15

Trp Pro Val Gly Ser  
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<210> 94  
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Glu Gln Arg Asn Ala Phe Ile Gln Ser Leu Lys Asp Asp Pro Ser  
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Gln Ser Ala Asn Leu Leu Ala Glu Ala Lys Lys Leu Asn Asp Ala  
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Gln Ala Pro Asn Val Asp Met Asn  
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